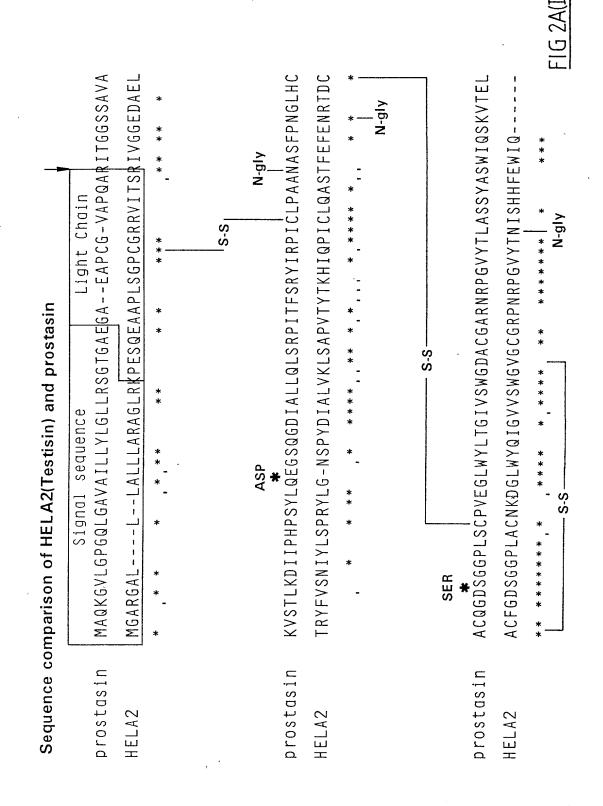


FIG 2A

FIG 2A(I) FIG 2A(II)



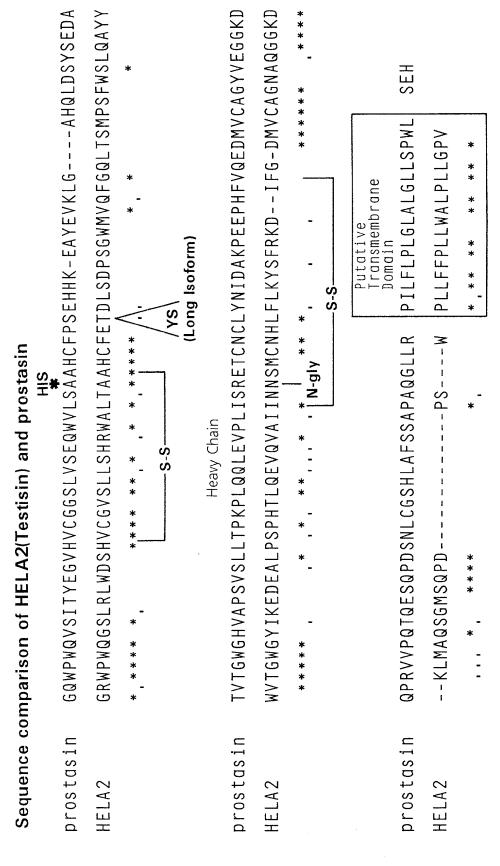
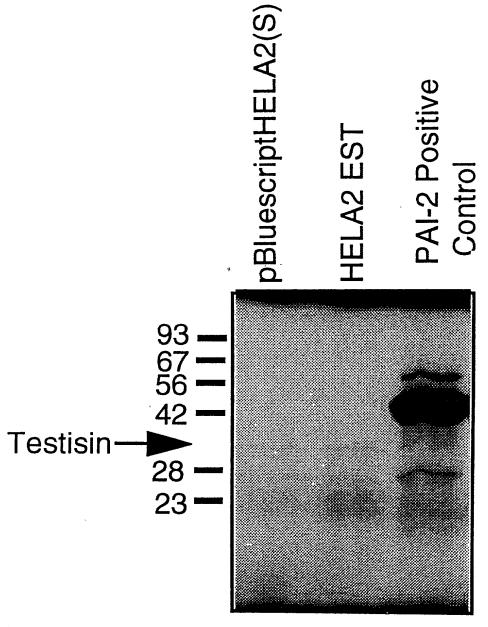


FIG 2B

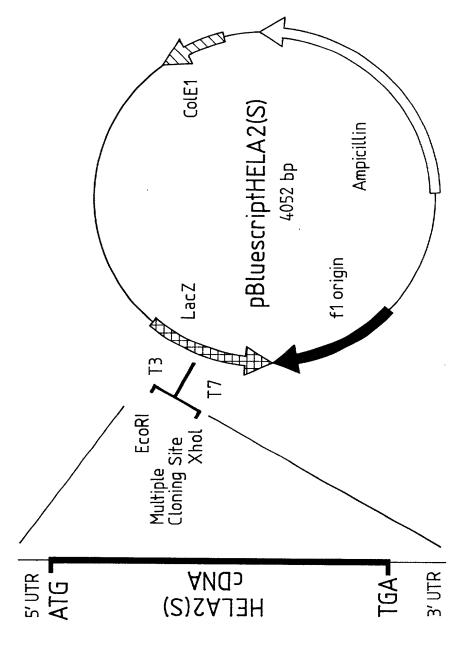


In vitro transcription / translation of HELA2 (Testisin).

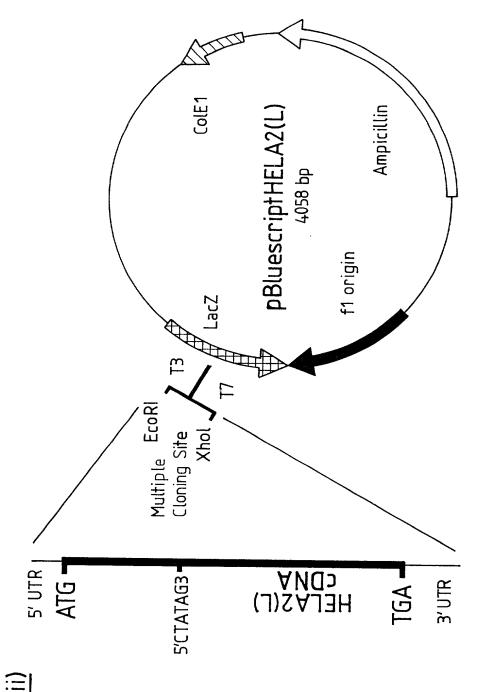
FIG 3

FIG 3(ii)

FIG 3(iii)

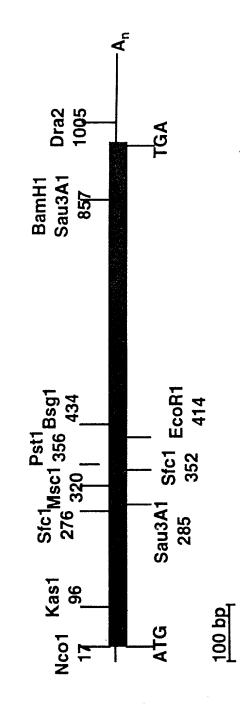


HELA2 (Testisin) Short Isoform



HELA2 (Testisin) Long Isoform

HELA2 (Testisin) Restriction Enzyme Map



-16 3 (iii

FIG 4

FIG 4(ii)

FIG 4(iii)

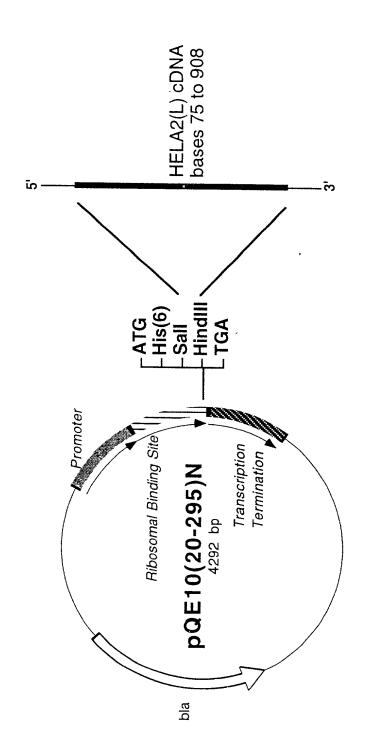
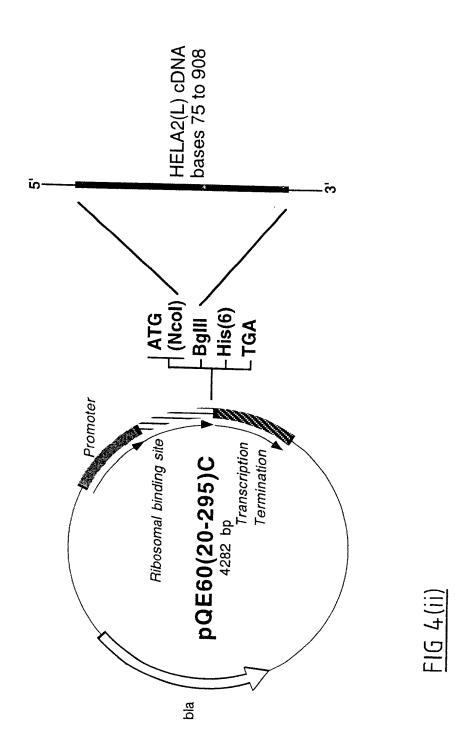


FIG 4(i)



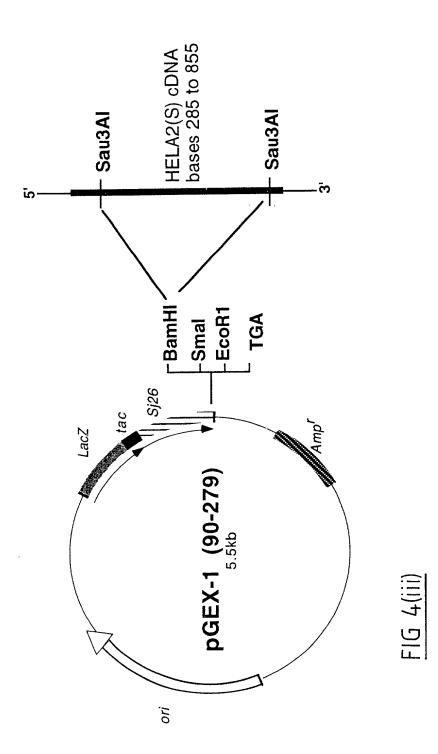
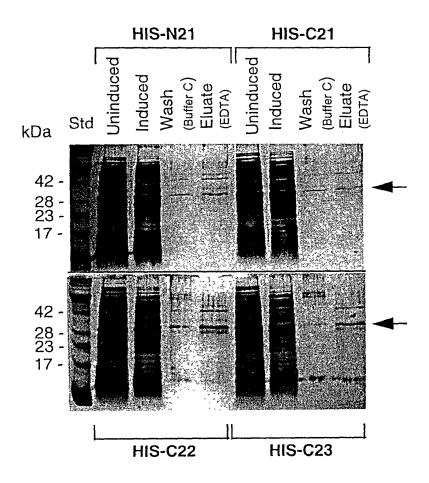


FIG 5

A. Expression of recombinant Testisin in E. coli.



B. Western blot of recombinant Testisin

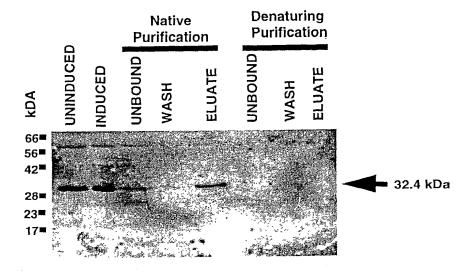


FIG 6(II)

FIG 6(III)

FIG 6

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GCCGCGGAGAGGAGGCC	AGGZ	K K
GAG	CTC	니
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BCG	GCT	A
CCC	CGG	ద
	GCT	A
	CLC	Ы
	CIG	J
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FIGURE 6(I

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GCGCACTGCTTTGAAACCTATAGTGACCTTAGTGATCCCTCCGGGGTGGATGGTCCAGTTT

GGCCAGCTGACTTCCATGCCATCCTTCTGGAGCCTGCAGGCCTACTACACCCGTTACTTC

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09 CTGTGGGATTCCCACGTATGCGGAGTGAGCCTGCTCAGCCACCGCTGGGCACTCACGGCG

CGCATCGTGGGTGGAGGACGCCGAACTCGGGCGTTGGCCGTGGCAGGGGAGCCTGCGC

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FIGURE 6 (II)

- 160 GTGAAGCTGTCTGCACCTGTCACCTACACTAAACACACAGCCCATCTGTCTCTGCAGGCC ď U Д Ø Н 口 X \vdash H ⋖ Ŋ
- 180 X <u>ن</u> Z ტ \vdash M ر ا Д Е 以 Z 口 ഥ 499
- 200 GAGGATGAGGCACTGCCATCTCCCCACACCCTCCAGGAAGTTCAGGTCGCCATCATAAAC ď \gt Õ > 口 O H 江 Д, ഗ Д А 田 Д 559
- 220 AACTCTATGTGCAACCACCTCTTCCTCAAGTACAGTTTCCGCAAGGACATCTTTGGAGAC Н Д X 召 ഥ Ŋ × 又 口 ᅜ 口 口 Z \mathcal{O} Ŋ 619

17/62

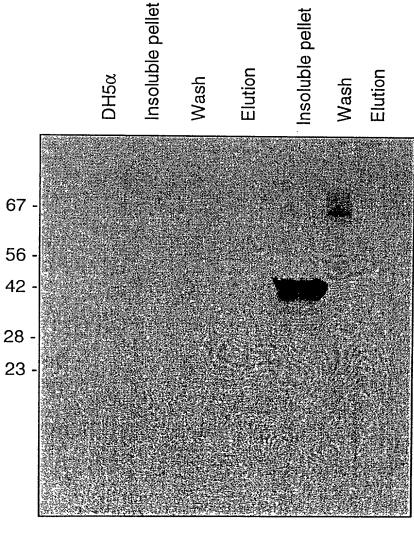
- 240 ATGGTTTGTGCTGGCAATGCCCAAGGCGGGAAGGATGCCTGCTTCGGTGACTCAGGTGGA U C FI Ø О X U Ö Ø ď Z U ď 619
- 260 CCCTTGGCCTGTAACAAGAATGGACTGTGGTATCAGATTGGAGTCGTGAGCTGGGGAGTG > U ŏ \succ ⋈ Ц U Z K Z ر ا Ø Ц 739
- GGCTGTGGTCGGCCCAATCGGCCCCGGTGTCTACACCAATATCAGCCACCACTTTGAGTGG 口 口 江 ഗ Z Н × \gt Ċ ĸ Z Д ĸ U 799

FIGURE 6 (III)

- 300 ATCCAGAAGCTGATGGCCCAGAGTGGCATGTCCCAGGCCAGACCCCTTCCTGGCCGCTACTC Z Ŋ Д Ø ഗ ⋈ $^{\circ}$ Ŋ Σ Ы × ŏ 859
- TTTTTCCCTCTTCTCTGGGCTCTCCCACTCCTGGGGCCGGTCTGAGCCTACCTGAGCCCA 314 Д U Ц Н П ď Ž Ц 口 919
- AAAAAAAAAAAAAAAAAA 1039 979

Western blot of GST-Testisin using anti-Testisin peptide T175 antibody

Induced



Uninduced

FIG 7

<u>FIG 8</u>

FIG 8(i)

FIG 8(ii)

FIG 8(iii)

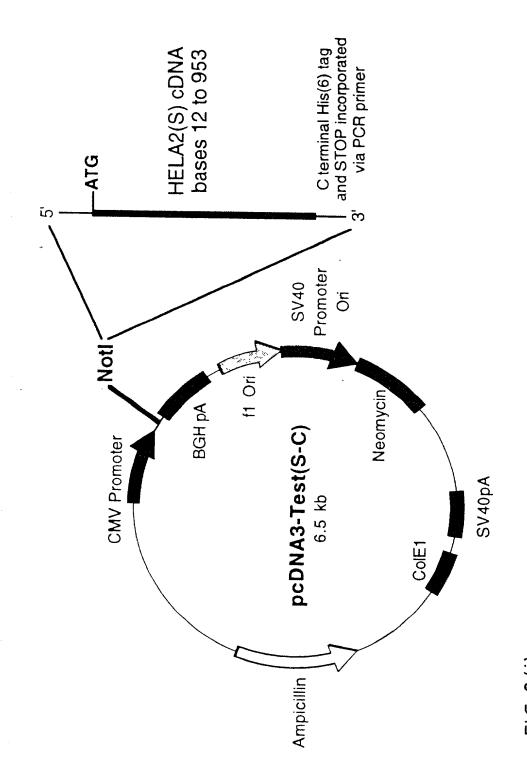
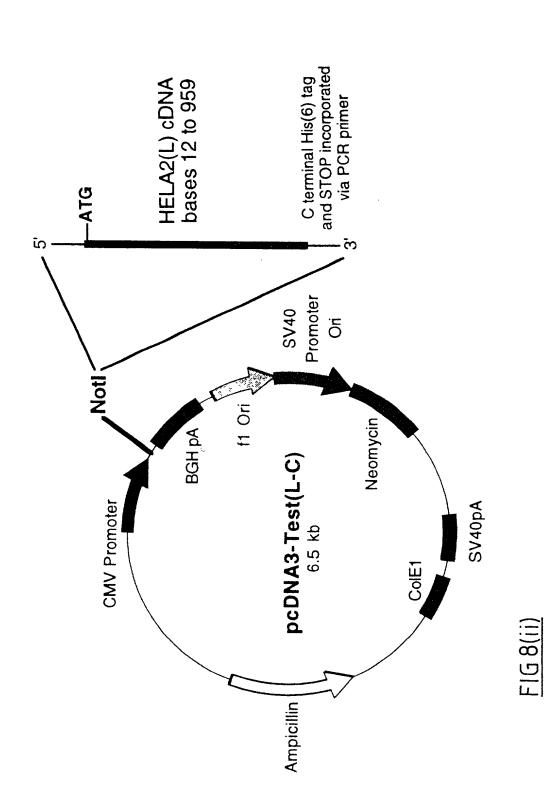


FIG 8(1)



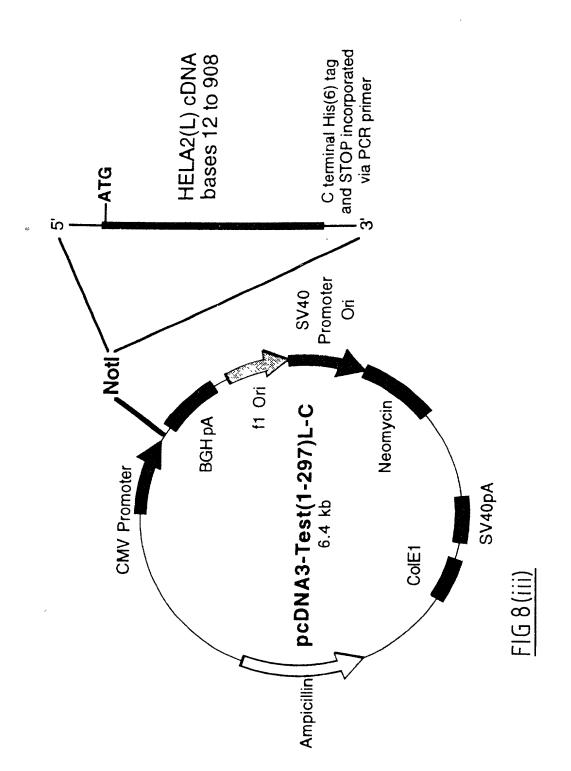


FIG 9

<u>FIG 9(i)</u>	FIG 9(ii)
FIG 9(iii)	FIG 9(iv)

► bnelg bio1y1} - bnelg yievise - bnelg yiemmem

adrenal gland-

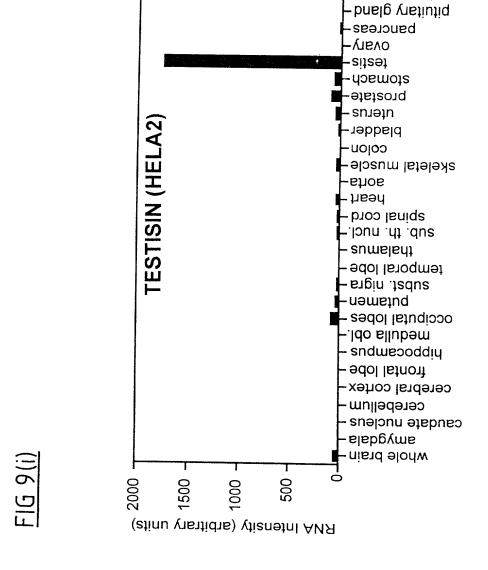
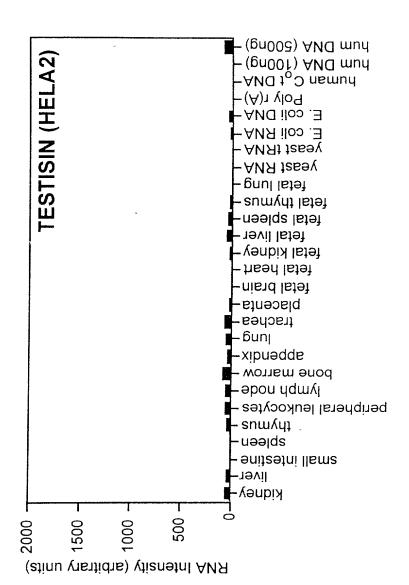
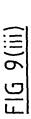
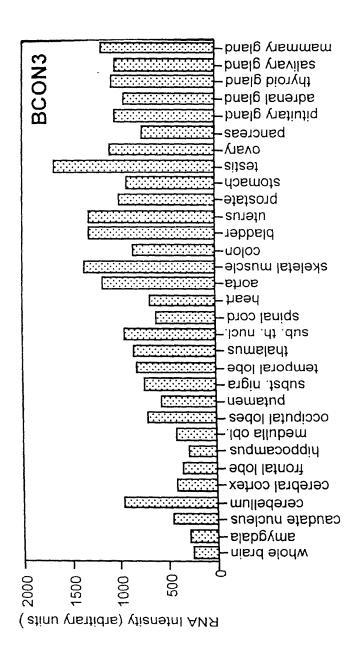


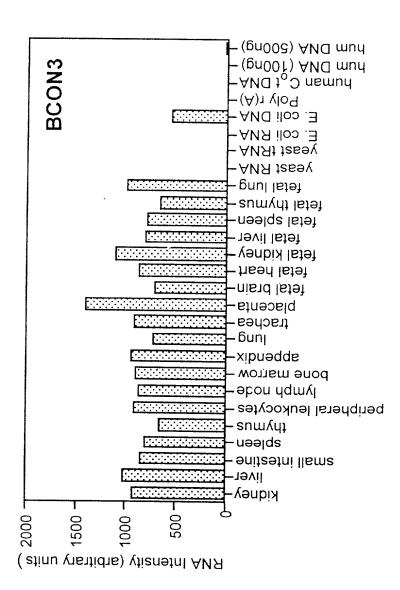
FIG 9(ii)

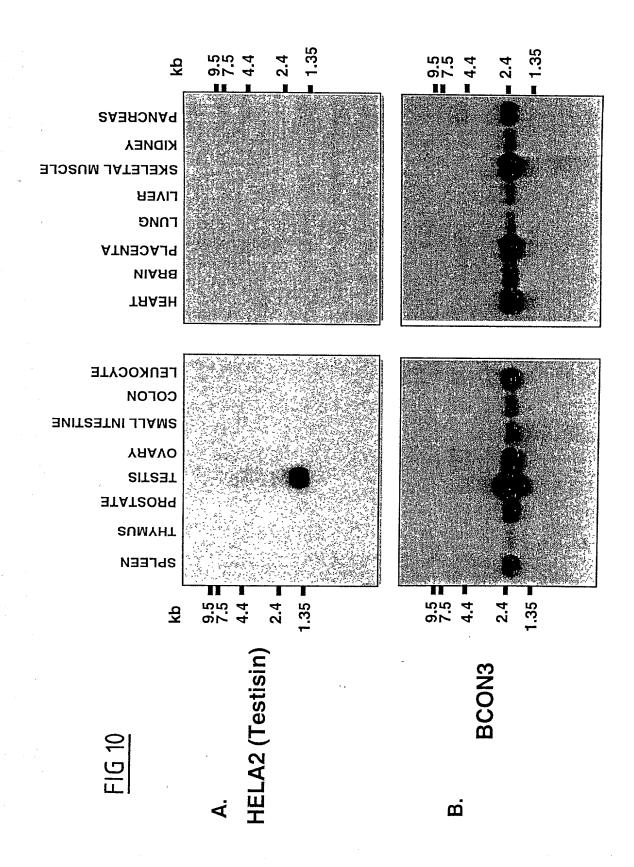


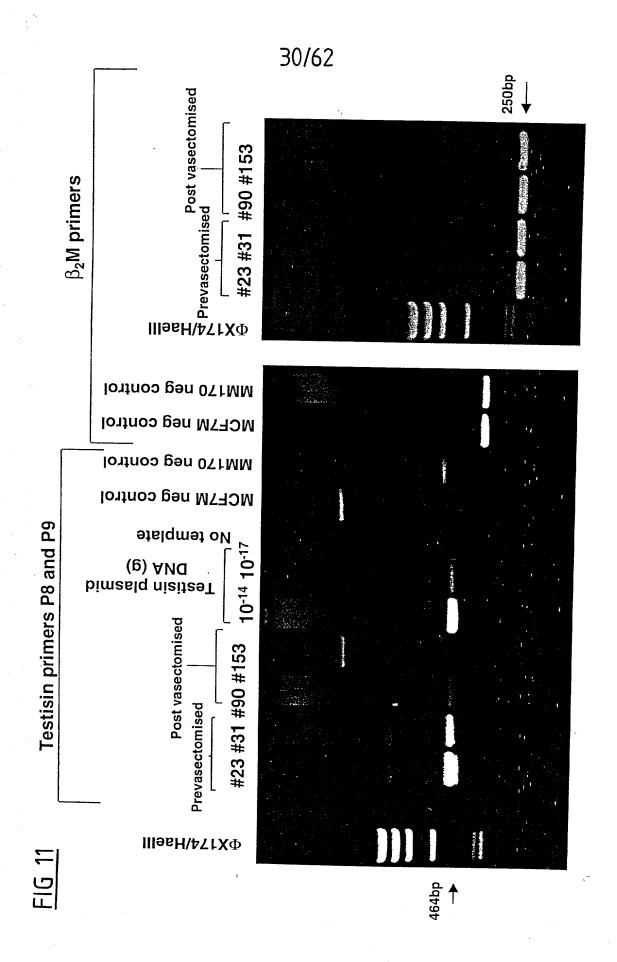












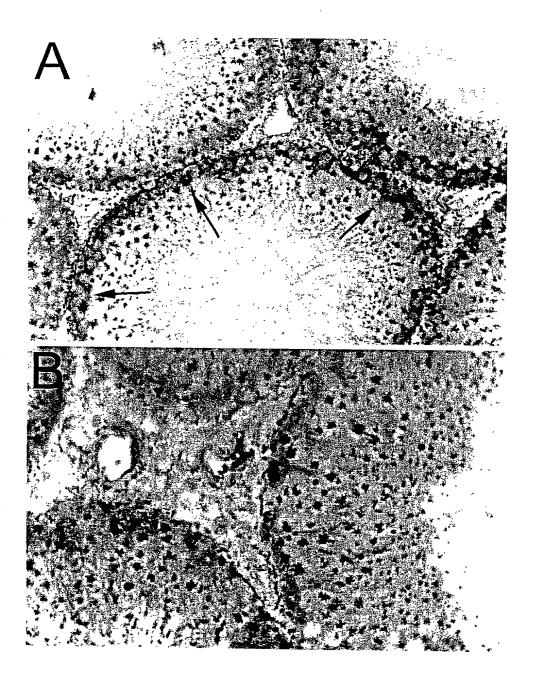
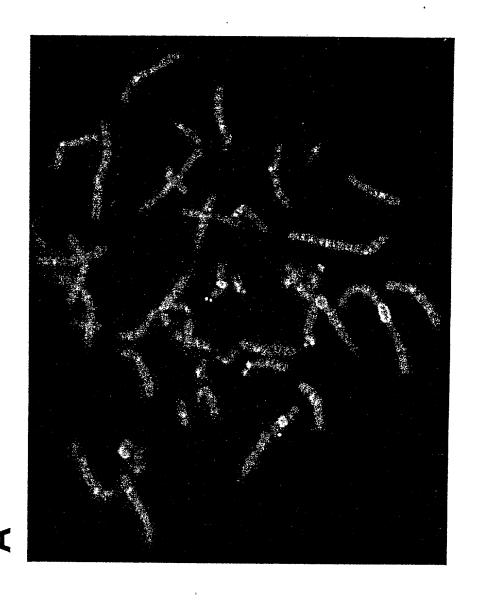
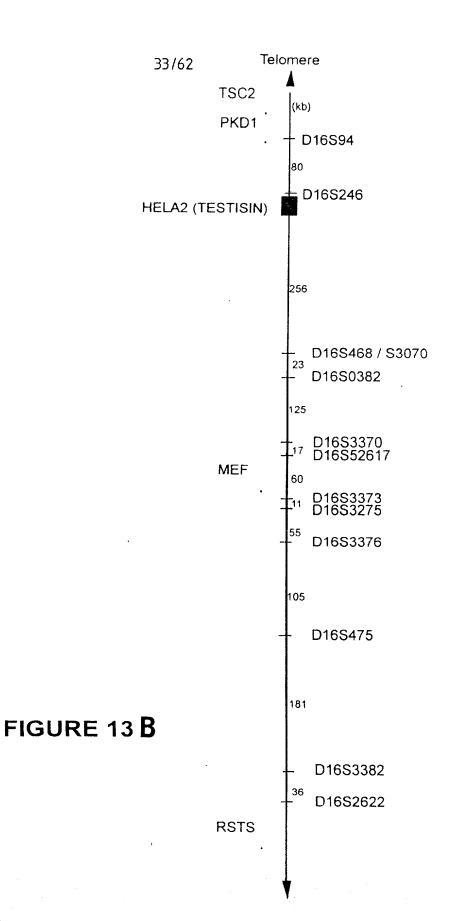
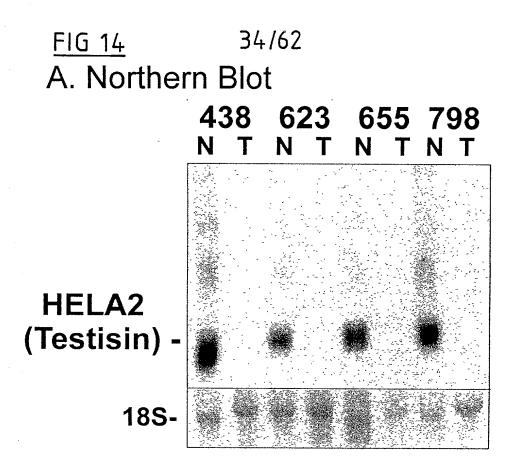


FIG 12

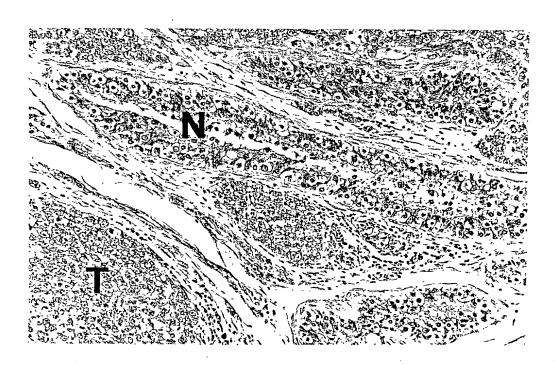
Testisin (HELA2) is located on human chromosome 16p13.3







B. Immunohistochemistry



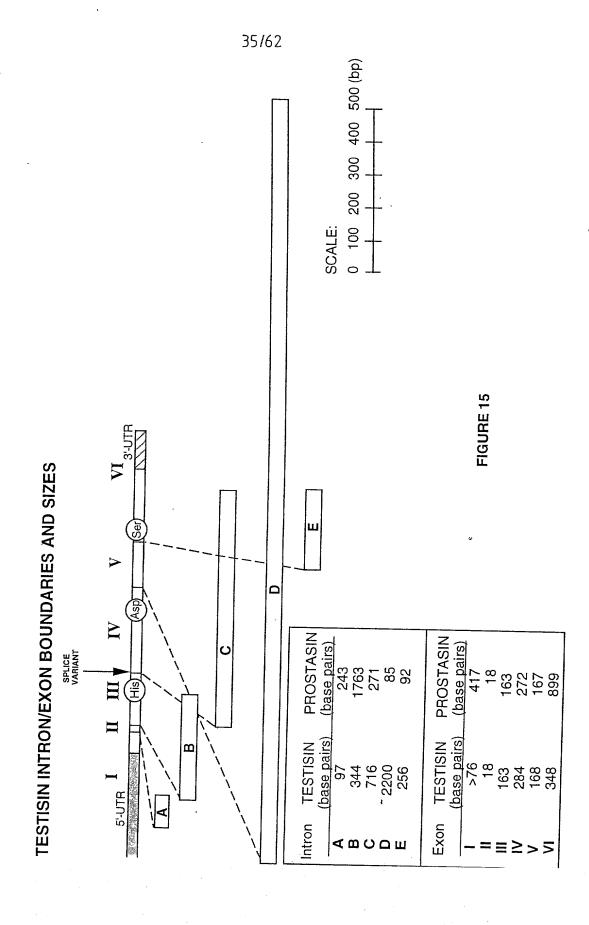


FIG 16

110 10
<u>FIG 16(i)</u>
<u>FIG 16(ii)</u>
<u>FIG 16(iii)</u>
FIG 16(iv)
<u>FIG 16(v)</u>
FIG 16(vi)

+ + + + + + + + + + + + + + + + + + +	-				
agigagicte etge	ctgcctcagc	ctcccaagta	gctgggactt	caggtgtgtg	50
ccaccatcct	cagctaattt	tttttttt	tttttttg	agaaggagtc	100
ttgctctgtc	gcccaggctg	gagtgcagtg	gcgcgatctt	ccaggcccca	150
ccgggccctc	aggaaggcct		tgcctacctg ctttaagggg	actcctggct	200
cagggccagg	ccctggtgc	tggaggaggt	ggtgggtgga	gggcaggggg	250
caccaagcgg	gcagccagga		cccccgggct gcagacaaga	aaaggactgt	300
		/+1EXON 1	7 7		
ggggtccacc	gggtctgggc	CACATCAAGG	CACATCAAGG AATGTGGTTG AAGACCCGCC	AAGACCCGCC	350
CTTAGGAGCT	CTTAGGAGCT GAAAGCCAGG		GCGCTACCAG GCCTGAGAGG	CCCCAAACAG	400
CCCTTGGGCC	TGGTTTGGGA	GGATTAAGCT	GGAGCTCCCA	ACCCGCCCTG	450
CCCCCAGGGG	GCGACCCCGG	9292992229	GCCCGGCGCG AGAGGAGGCA GAGGGGGCGT	GAGGGCGT	500
CAGGCCGCGG	GAGAGGAGGC	CATGGGCGCG	2525555252	TGCTGCTGGC	550
			TNI/	/INTRON A	
GCTGCTGCTG	GCTCGGGCTG		GACTCAGGAA GCCGGgtgag	ctcggggcgc	009
tgctggcggg	atggggaggc	gggggagcgg tggggaggac		gggaggtgga	650

/EXON 2...

gaccacaga aatcacttct	1917111111	Cacttot tatotoogg agagmoggag ganoogg		7
		りないりょういんか	つりつりりつりりなり	0/
/INTRON B				
CGTTATCAGg tagggcgccc	aggacgcgcg	attcctgcca	gggccgttgg	75(
gacgaggtgg acggggggcg	gtgagggggt	agagggggc	ctttactgct	80(
ctatagacaa agaaaaagg	atcgagaact	ctgttggcgt	ggaaagtaac	85(
taacggacgc tggaggggga	tgggcgggcc	ctgcagagca	cgtgggagga	006
tctccagtgt cacctacttc	ctgctgcaca	ctgctgcaca cacgcgaggg	gaccctgggt	950
gggcaaaaac gtgctttccc	ggacggggtt	gaagggaga aagggagagg	aagggagagg	1000
tcgggcttgg ggggctgcct	cccgcggctc	agcagttcct ctgaccatcc	ctgaccatcc	1050
/EXON 3				
gagGACCATG CGGCCGACGG	GTCATCACGT	CCGACGG GTCATCACGT CGCGCATCGT	GGGTGGAGAG	1100
GACGCCGAAC TCGGGCGTTG GCCGTGGCAG GGGAGCCTGC GCCTGTGGGA	GCCGTGGCAG	GGGAGCCTGC	GCCTGTGGGA	1150
TTCCCACGTA TGCGGAGTGA GCCTGCTCAG CCACCGCTGG GCACTCACGG	GCCTGCTCAG	CCACCGCTGG	GCACTCACGG	1200

-1G 16(ii

/INTRON C...

1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900
ggggtgcggg	tacctctggt	gcctggtgtt	tccagttccc	aatgttcttc	tctttcaacc	tggtggacgg	cgggccgctg	tctccccatt	tcaatgcaag	ttctgctgca	ccttcatttc	cagtttcccc	ccatccaggg
tgcgaacgga	caccgaactt	cgtggatgcg	ttacacccac	gttattccag	tctccctttt	taccacatac	ccagcacccc	gcgtggtgca	aggccttggc	gaccccaccc	tgtctgggct	agcaacacca	agccagccct
tgagtggggg	gagggagtgc	gaaagttgtg	ctgcagccgg	ccctgttcag	ttgggtattc	cccaccctca	tgagccaagg	tcccacattg	gtgcccctgg	gaggtgacaa	ggttgtggtc	agcaagtagc	gtgctcaggt
CTTTGAAACg	aacagggctg	acttgggcgt	ccaggctgtg	ctggagggaa	ccacacactt	cactgaccat	tgtggggcac	atcctgccaa	ctgcatgggg	acagctctgg	ctaggacttt	cctgggtgtt	gaccccagtt
CGGCGCACTG	gacgggcagg	ctgatgccag	ctcctgagcc	tttgggtctc	cagaacattt	caaagttcac	tgcggtacag	tgtggactcc	cctccttggg	gctccttggg	ggagcaggtc	tgcaggggac	tcctgcactg

-1G 16(iii

2450

gggggccaga aggagagtgt gagagggagg ccagtttggc gcaagcctgt

gggtggtgcg gtggtggagg ggttctggag ggcttggcga cataaacctc

atctttccac ctccccagt gctcaccaat

ttattcctgc

atacttggat

2500

2550

/EXON 4..

AGTGATCC 1950	CCATCCTTCT 2000	TCTATCTG 2050	GTGAAGCT 2100	TGTCTCCAGG 2150	CTGGCTGG 2200		gggtcaggga 2250	gacaatg 2300	tctcctca 2350	caggggctgt 2400
ccctgactg ctctcttctc ttctgccagc tatagTGACC TTAGTGATCC	TIGGCCAGCT GACTICCAIG CC	ACCCGTTACT TCGTATCGAA TATCTATCTG	TTCACCCTAT GACATTGCCT TGGTGAAGCT	GTCTGCACCT GTCACCTACA CTAAACACAT CCAGCCCATC TG	AACCGGACAG ACTGCTGGGT GACTGGCTGG	D	gggacaggc gg	ataggcacaa tagccccctg	tatgcccctc ttgcttgcag tctctcctca	acacccagtt ctctcccttc ca
ttctgcc <u>ag</u> c			TTCACCCTAT	CTAAACACAT		/INTRON	GGgtgaggct	gttcccctgc		acacccagtt
crcrcrcrc	CTCCGGGTGG ATGGTCCAGT	GGAGCCTGCA GGCCTACTAC	AGCCCTCGCT ACCTGGGGAA	GTCACCTACA	CCTCCACATT TGAGTTTGAG		GGGTACATCA AAGAGGATGA GGGtgaggct	ggaactgtct ttgttcacct	cttggtctgg gggtgcaggc	cctgccaggg cagggaccaa
CCCCLYACLY	CTCCGGGTGG	GGAGCCTGCA	AGCCCTCGCT	GTCTGCACCT	CCTCCACATT		GGGTACATCA	ggaactgtct	cttggtctgg	cctgccaggg

FIG 16 (iv)

 ≈ 4213

caaccccggg aggtggagac tgttgcccca ctctgcagat gcagaaacgg

FIG 16(v)

gccccaggca	tca	appr	approx 1000 bp.		3563
ccaggttgcc	ccttccccca	aggtctggct	ttggatgctt	atgtgaacac	≈3613
cgttttaagt	tgccttggcc	ccttcctcgg	ttcctttttg	gctgaggaat	×3663
ctctccatgg	ctgcaggcag	ggccattgtt	gccattctac	agatagggaa	≈3713
agtgcggctg	ggggagctct	gacagctgtc	cctccccggg	gccttctgtg	≈3763
atgctgctga	gggcctctgt	tgtgctgggg	tctgggttgg	agctgggggt	≈3813
aatggagatg	aacctgccag	gcacagtggg	tgccccaggg	ccccaccc	×3863
cgcagcctat	gccatccctc	catagagggg	cctcaggttg	ctgtctctct	≈3913
		/EXON 5.	•		
ccttcccact	atcgtccgca	cagCACTGCC	ATCTCCCCAC	ACCCTCCAGG	×3963
AAGTTCAGGT	AAGTTCAGGT CGCCATCATA	AACAACTCTA	TGTGCAACCA	CCTCTTCCTC	≈4013
AAGTACAGTT	TCCGCAAGGA	CATCTTTGGA	GACATGGTTT	GTGCTGGCAA	≈4063
		[/	/INTRON E		
TGCCCAAGGC	TGCCCAAGGC GGGAAGGATG	CCTGCTTCgt	gagtgtcctt	gccaccactc	≈4113
ccagcccagg	aaagcatcct	gtgtccctgt	gccttatttg	accctcatgc	≈4163

≈4263	≈4313		≈4363	×4413	≈4463	≈ 451 3	≈4563	≈4613	≈4663	≈4713	≈4763	×4813	×4863	×4866
cagtctaccc	cactcactct	/EXON 6	TCAGGTGGAC	AGTCGTGAGC	ACACCAATAT	AGTGGCATGT	TCTCTGGGCT	GCAGCCTGGG	TGGTAATAAA	agtggcttca	cccctggctc	ttcnatcaga	gggtgtctcg	
gatgtgcacc	tcccctgccc	/EXOI	ccgctgctcc ccagGGTGAC TCAGGTGGAC	ATCAGATTGG	CCCGGTGTCT	GATGGCCCAG	TTTTCCCTCT	CTGAGCCCAT	CTGTCTTGTT	CTTCAaaagc	cctgtctgtg	atctggttat	tgaacgccta	
ggaggaggag	tctcagcccc		ccgctgctcc	GGACTGTGGT	GCCCAATCGG	TCCAGAAGCT	CCGCTACTCT	CTGAGCCTAC	TGGTTCTCTT	GCAGGGCATT	gtgcagacag	ccatagaacc	aggctggtct	
gctgccaggg	cccttcccac		gccccaggct gacctcagcc	CCTTGGCCTG TAACAAGAAT	GCTGTGGTCG	TTTGAGTGGA	CCCCTCCTGG	TGGGGCCGGT	AGTCAGGCCC	TTGATGCCTT	attctctctt	acacccacat ctgttctgca	tgtgttgccc	
aggcttggct	agccccatag		gccccaggct	CCTTGGCCTG	TGGGGAGTGG	CAGCCACCAC TTTG	CCCAGCCAGA	CTCCCACTCC TGGG	GCCACTGCCA	CACATTCCAG TTGA	tggacagctc	acacccacat	aagagaattg	atc

FIG 16(v

..... INTRON C (716 BP).......

gtggactccatcctgccaatcccacattggcgtggtgcatctccc cattcctccttgggctgcatgggggtgcccctggaggccttggct caatgcaaggctccttgggacagctctgggaggtgacaagacccc acccttctgctgcaggagcaggtcctagactttggttgtggtctg tctgggctccttcatttctgcaggggaccctgggtgttagcaagt agcagcaacaccacagtttcccctcctgcactggaccccagttgt gctcaggtagccagccctccatccagggcccctgactgctcttt ctcttctgccagctataagTGACCTTAGTGATCCC EXON IV

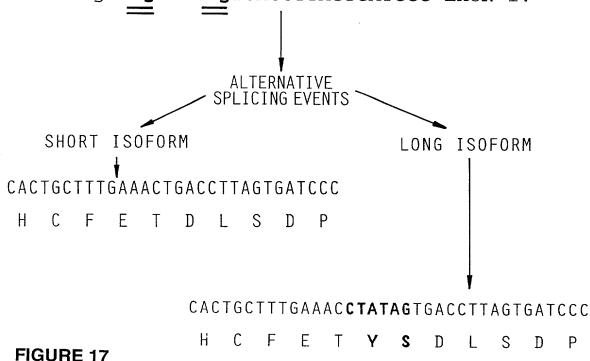


FIG 18 (AI)

FIG 18 (AII)

FIG 18(A)

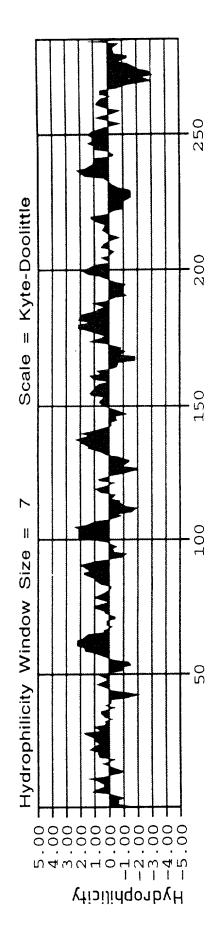
FIGURE 18 (AI)

- 20 Ω ᠐ 召 Ŋ Д Н \vdash 召 H ტ ر ا Ö Ŋ
- 40 TGATGCTGAGCTTGGCCGCTGGCCAAGGGAGCCTGCGTGTATGGGGCAACCACTT Н Ö Z \triangleright 召 ᆸ വ ŋ Q Z Д 3 召 ŋ Ц 闰 61
- 09 X ATGTGGCGCAACCTTGCTCAACCGCCGCTGGGTGCTTACAGCTGCCCACTGCTTCCAAAA Ø ပ 出 Ø TA W V L ĸ 멌 Z L H ď <u>ෆ</u> ی 121
- 80 口 GGATAACGATCCTTTTGACTGGACAGTCCAGTTTGGTGAGCTGACTTCCAGGCCATCTCT Ŋ 召 Ŋ L T 口 r Ĺτι Ø > ⊱ Ŋ Д দ П Z 181
- 100 CTGGAACCTACAGGCCTATTCCAACCGTTACCAAATAGAAGATATTTTCCTGAGCCCCAA П ᄄ Н Д 闰 Н Õ × 召 Z Ŋ \succ A ŏ 口 Z 241
- 120 T T GTACTCGGAGCAGTATCCCAATGACATAGCCCTGCTGAAGCTGTCATCTCCAGTCACCTA Ŋ Ŋ Ц A L L K Н Д z Д × Q 口 ഗ 301
- 140 CAATAACTTCATCCAGCCCATCTGCCTCCTGAACTCCACGTACAAGTTTGAGAACCGAAC N N F I Q P I C L L N S T Y K F E N R T Q 361
- N 160 TGACTGCTGGGTGACCGGCTGGGGGGCTATTGGAGAAGATGAGAGTCTGCCATCTCCCAA Ŋ П 口 Ç r \geq Ö J

FIGURE 18 (AII)

- 180 × 481 CACTCTCCAGGAAGTGCAGGTAGCTATTATCAACAACAGCATGTGTAACCATATGTACAA 二 Z C Ŋ Z ď 口 Ø
- 200 AAAGCCAGACTTCCGCACGAACATCTGGGGAGACATGGTTTGCGCTGGCACTCCTGAAGG 团 ر ا Σ Д ෆ M Н Z R T Γı 541
- 220 Δ TGGCAAGGATGCCTGCTTTGGTGACTCGGGAGGACCCTTGGCCTGCGACCAGGATACGGT Q S G G P L A C D C F G D Ø K D 601
- 240 Ŋ GTGGTATCAGGTTGGAGTTGAGCTGGGGGAATAGGCTGTGGTCGCCCCAATCGCCCTGG WYQVGVGVSWGIGCTGGCTGGGGAATAGGCTGTGGTCGCCCCAATCGCCCTGG 661
- 260 AGTCTATACCAACATCAGTCATCACTACAACTGGATCCAGTCAACCATGATCCGCAATGG I Ŋ õ Н Ž H Y N H ഗ Н Z X T 721
- 280 285 GCTGCTCAGGCCTGACCCAGTCCCCTTGCTACTGTTTCTTACTCTGGCCTGGGCTTCCTC 781 841
- 901





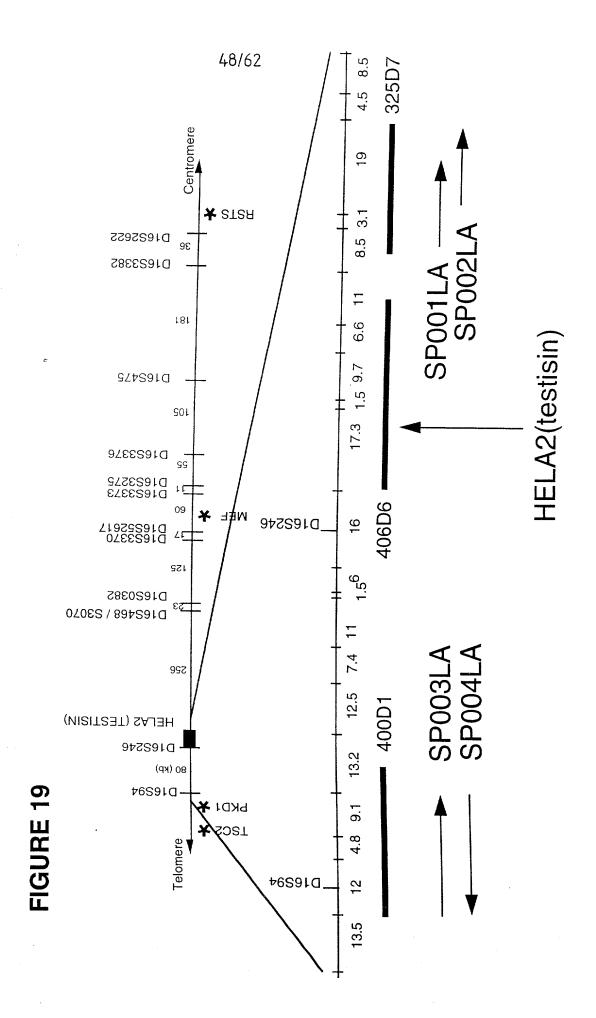


FIG 20A(AI)

FIG 20A(AII)

FIG 20A(AIII)

FIG 20A(A)

20A FIGURE

C V))
:GAACCGGGTTGTGGGCGGCGAGGACAGCACTGACAGCGAGTGGCCTTGGATTGATTGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGGATTGATTGGATTGA	S E W P W
,	

- ATCCAGAAGAATGGGACCCACCACTGCGCAGGTTCTCTGCTCACCAGCCGCTGGGTGATC Ŋ ᠐ Ø Ü Ή 出 ტ Q K N 21
- 180 ACTGCTGCCCACTGTTTCAAGGACAACCTGAACCATACCTGTTCTGTGCTGCTG $_{
 m T}$ A A $_{
 m H}$ $_{
 m C}$ F $_{
 m K}$ D N $_{
 m L}$ N K P Y $_{
 m L}$ F S V $_{
 m L}$ $_{
 m L}$ 41
- GGGGCCTGGCAGCTGGGAACCCTGGCTCTCGGTCCCAGAAGGTGGTGTTGCCTGGGTG
- 240 Ø Q K V G 及 の ŋ G N 61
- 81
- 360. CTCGAGCGCTCCATACAGTTCTCAGAGCGGGTCCTGCCCATCTGCCTACCTGATGCCTCT 召 П ഗ Ŏ Ŋ 101
- ATCCACCTCCCACAACACCCACTGCTGGATCTCAGGCTGGGGGAGCATCCAAGATGGAIS I H L P P N T H C W I S G W G S I Q D G

FIGURE 20A (AII)

480 GTTCCCTTGCCCCACCCTCAGACCCTGCAGAAGCTGAAGGTTCCTATCATCGACTCGGGAA 口 ഗ \Box × Н X Ø 口 二 Д 141

540 GTCTGCAGCCATCTGTACTGGCGGGAGCAGGACAGGGACCCCATCACTGAGGACATGCTG 口 Д C Ŏ $^{\circ}$ ď U ĸ Z × 口 工 Ŋ Ü 161

009 TGTGCCGGCTAACTTGGAGGGGGGGGGATGCTTGTCTGGGCGACTCCGGGGGCCCCCTC ŋ Ü (Z) Д ט L C Ø R D 口 ט 回 Ы × Ċ Ø 181

099 ATGTGCCAGGTGGACGGCGCCTGCTGGCCGGCATCATCAGCTGGGGCGAGGGCTGT Ċ 口 Ü S Ŋ Н Н Ü Ø Н 니 ß U D V Ü 201

720 GCCGAGCGCAACAGGCCCGGGGTCTACATCAGCCTCTGTGCGCACCGCTCCTGGGTGGAG Ŋ 田 Ø Ŋ Н ഗ Н × IJ Д α Z 221

780 AAGATCGTGCAAGGGGTGCAGCTCCGCGGGCGCGCTCAGGGGGGGTGGGGCCCTCAGGGCCA 出 Ğ U U A Q 公 U ĸ Ц Ŏ > $^{\circ}$ Õ 241

840 CCGAGCCAGGGCTCTGGGGCCCGCCGCGCTCCTAGGGGCCCCAGCGGGACGCGGGGCTCGG Ŋ 召 ø ø Ø \Box Ŋ \mathcal{O} 261

960 ATCTGAAAGGCGGCCAGATCCACATCTGGATCTGGATCTGCGGCGGCCTCGGGCGGTTTTC CCCCGCCGTAAATAGGCTCATCTACCTCTACCTCTGGGGGCCCGGACGGCTGCTGCGGAA

FIGURE 20A (AIII)

1020 1080 1140 CCGCCCAACGGCCTCATGTCCCCCCCCCACGACTTCCGGCCCCCGCCCCGGGCCCCAGCG CTTTTGTGTATATAAATGTTAATGATTTTTTATAGGTATTTGTAACCCTGCCACATATCT TATTTATTCCTCCAATTTCAATAAA

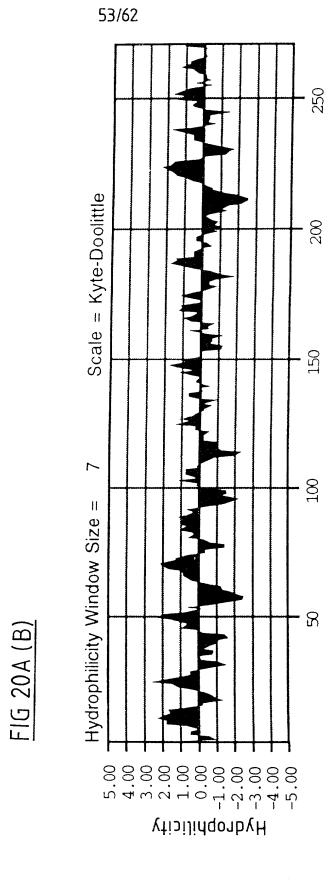


FIG 20B(AI)

FIG 20B(AII)

FIG 20 B (A)

FIGURE 20B (AI)

- 09 O О Ø U C $R \nabla I$ O 口 × H
- 口 U ഗ H H Μ 口 Ċ > Q 21
- 180 TCATCCACCCACGCTGGGTGCTCACAGCCGCCCACTGCTTCCTGAGGTCTGAGGATCCCG П U \equiv A A 디 \triangleright ĸ 41
- 240 GGCTCTAUCATGTTAAAGTCGGAGGGCTGACACCCTCACTTTCAGAGCCCCACTCGGCCT W 闰 ഗ ı Ŋ Д Ц r ტ 61
- 300 TGGTGGCTGTGAGGAGGCTCCTGGTCCACTCCTCATACCATGGGACCACCACCAGCGGGG U Ŋ U ഗ 口 口 ĸ ĸ 87
- 360 ACATTGCCCTGATGGAGCTGGACTCCCCTTGCAGGCCTCCCAGTTCAGCCCCCATCTGCC Ø ᆸ Д ഗ Д 니
- TCCCAGGACCCCAGACCCCCTCGCCATTGGGACCGTGTGCTGGGGTAAACGGGGCTGGGGG Ü Н \mathcal{O} Ц Ø 121
- TCCACTCAGGAGAGGCCCTGGCGAGTGTCCTTCAGGAGGTGGCTGTGCCCCTTCCTGGACT Ø 口 141

FIGURE 20B (AII)

540 \mathcal{O} K Ŋ 口 C) П 口 Z 口 Ü Z 161

009 Ø Д X X U Q Ŋ Ω ď Ü Н M Д 181

ACTCCGGGGGGCCGCTGGTCTGCCCCATCAATGATACGTGGATCCAGGCCGGCATTGTGA 660 M H Д Z Д U G P L Vტ 201

GCTGGGGATTCGGCTGTGCCCGGCCTTTCCGGCCTGGTGTCTACACCCAGGTGCTAAGCT 720 ΛX Ö Д 民 ഥ C A R P Ŋ

Ŋ C M Ŋ 口 W 口 Ы H Z 241

840 W Ŋ H r ഗ 口 ഗ Ö 261

TGTTGACCGTATGCTTGCGTCCCTGTGAACCATGAGCCATGGAGTCCGGGATCCCC 900 ഗ \mathcal{O} Ц 281

TTTCTGGTAGGATTGATGGAATCTAATAAAA

250

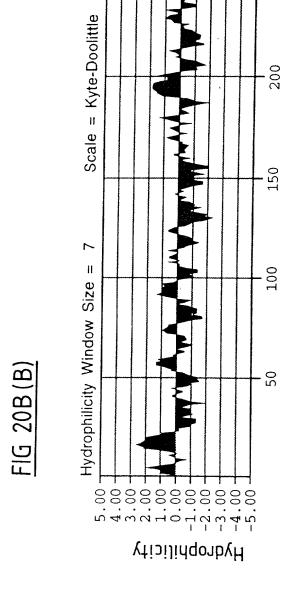


FIG 20C(AI)

FIG 20C(AII)

FIG 20C(A)

FIGURE 20C (AI)

09 ᠐ $R \nabla M$

AGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCA Ŋ r ෆ Ü ഗ U Z 召 Q Ŋ TCGCGGAGCAGTGGGTCCTGACGGCTGCGCACTGCTTCCGCAACACCTCTGAGACGTCCC Ŋ Z 吆 ഥ U \equiv Ø T A Z 41

240 口 U ŏ Ц Ø 吆 G A V L L 61 300 CCCGGGTGAGGCAGGTGGAGCAACCCCCTGTACCAGGGCACGGCCTCCAGCGCTGACG ഗ ഗ Ø E r Q × Д Z ഗ 口 ŏ 召 81

360 TGGCCCTGGTGGAGCTGGAGGCACCAGTGCCCTTCACCAATTACATCCTCCCCGTGTGCC U I L N ᄄ E A P V P Ы 口 101

121

GCCCCAGTGAGGAAGACCTCCTGCCCGAACCGCGGATCCTGCAGAAACTCGCTGTGCCCA 480 Q പ്പ Д 闰 口 വ 141

FIGURE 20C (AII

TCATCGACACCCCAAGTGCAACCTGCTCTACAGCAAAGACACCGAGTTTGGCTACCAAC 540 × ഗ × Ц 口 Ü K 161

CCAAAACCATCAAGAATGACATGCTGTGCGCCGGCTTCGAGGAGGGCAAGAAGGATGCCT 600 Ċ ĮΉ 口 ഥ ෆ ď Ü 니 О Z × 181

GCAAGGGCGACTCGGGCCCCCCTGGTGTCCTCGTGGGTCAGTCGTGGCTGCAGGCGG 660 r ΓV Ü (V) 201

GGGTGATCAGCTGGGGTGAGGGCTGTGCCCGCCAGAACCGCCCAGGTGTCTACATCCGTG 720 ტ Д 凸 N Ŏ 召 Ø E G E M G വ

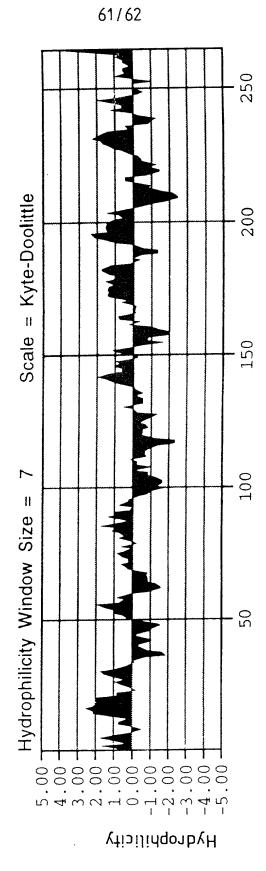
Ø I P K L Q R н MN 口 Ħ 241

840 GGTTGGGCGGCCAGAAGTGAGACCCCCGGGGCCAGGAGCCCCTTGAGCAGAGCTCTGCAC · [I] Ы 闰 Q ტ 以 261

900 CCAGCCTGCCCGCCCACACCATCCTGCTGGTCCTCCCAGCGCTGCTGTTGCACCTGTGAG P A L L ILLVL H 田 ď 281

CCCCACCAGACTCATTTGTAAATAGCGCTCCTTCCTCCCCTCTCAAATACCCTTATTTA 960 TTTATGTTTCTCCCAATAAA





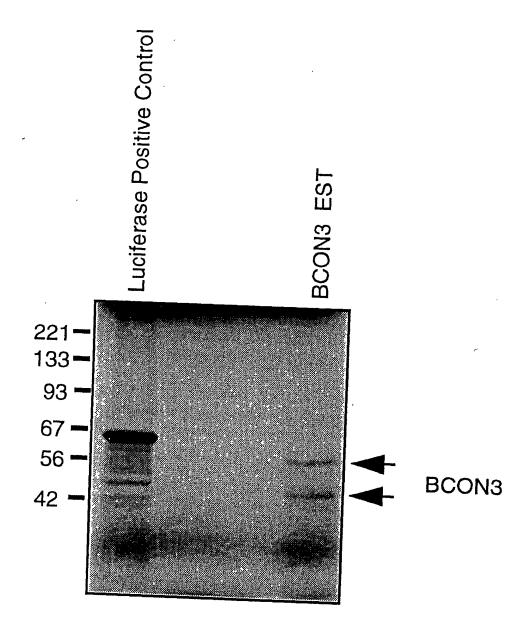


FIG 21